

Title (en)  
Swash plate shoe

Title (de)  
SCHUH FÜR EINE TAUMELSCHEIBE

Title (fr)  
Patin de plateau-came

Publication  
**EP 0919719 A2 19990602 (EN)**

Application  
**EP 98122640 A 19981127**

Priority  
JP 32768997 A 19971128

Abstract (en)  
In a swash plate type compressor in which a shoe (3) is placed between a swash plate (5) and a reciprocal piston (2), the shoe has a convex curved surface (32) having a specific portion extending along an oblate spheroid defined by a predetermined ellipse. The piston has a concave spherical surface (2a) adaptable to the convex curved surface. The specific portion has a ring-like contact portion which is in contact with the concave spherical surface around a minor axis of the predetermined ellipse to surround a portion spaced from the concave spherical surface. In addition, the shoe has a sliding surface (31) slidable along the swash plate. <IMAGE>

IPC 1-7  
**F04B 27/08**

IPC 8 full level  
**F04B 39/00** (2006.01); **F04B 27/08** (2006.01)

CPC (source: EP US)  
**F04B 27/0886** (2013.01 - EP US); **Y10T 403/46** (2015.01 - EP US)

Citation (applicant)  
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